

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
9 March 2006 (09.03.2006)

PCT

(10) International Publication Number
WO 2006/024935 A1

(51) International Patent Classification:

F01N 3/32 (2006.01) F02B 77/08 (2006.01)

(21) International Application Number:

PCT/IB2005/002607

(22) International Filing Date: 15 August 2005 (15.08.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2004-249914 30 August 2004 (30.08.2004) JP

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

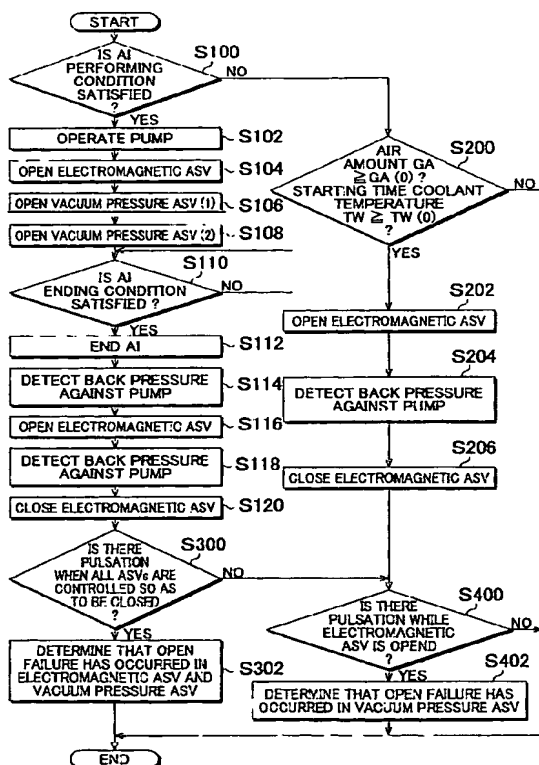
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SECONDARY AIR SUPPLY APPARATUS AND CONTROL METHOD FOR THE SAME



(57) Abstract: An ECU executes (300) a program including a step (S202) of opening an electromagnetic ASV (232) while a vacuum pressure ASV (1) and a vacuum pressure ASV (2) are controlled so as to be closed, and an air pump (200) is controlled so as to be stopped in a case where an air amount GA that is an amount of air introduced into an engine (100) is equal to or larger than a predetermined air amount GA (0), and a coolant temperature TW at the starting time of the engine is equal to or higher than a predetermined coolant temperature TW (0) ("YES" in step S200); a step (S204) of detecting a pressure; a step (S206) of closing the electromagnetic ASV; and a step (S402) of determining that failure has occurred in at least one of the vacuum pressure ASV (1) and the vacuum pressure ASV (2), that is, one of the vacuum pressure ASV (1) and the vacuum pressure ASV (2) remains in an opened state and cannot be closed when there is a pulsation of the pressure that is detected while the electromagnetic ASV is opened ("YES" in step S400).